



# Huawei P9 Display Assembly Replacement

Replace the display assembly in your Huawei P9 smartphone.

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## INTRODUCTION

Use this guide to replace the display assembly of your Huawei P9.



### TOOLS:

- [SIM Card Eject Tool](#) (1)
- [Spudger](#) (1)
- [Tweezers - Pro/ESD/Angled](#) (1)
- [Phillips #000 Screwdriver](#) (1)
- [iSclack](#) (1)
- [P2 Pentalobe Screwdriver iPhone](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Plastic Cards](#) (1)



### PARTS:

- [Huawei P9 LCD Screen and Digitizer](#) (1)
- [Huawei P9 LCD Screen and Digitizer Assembly](#) (1)

## Step 1 — Back Cover



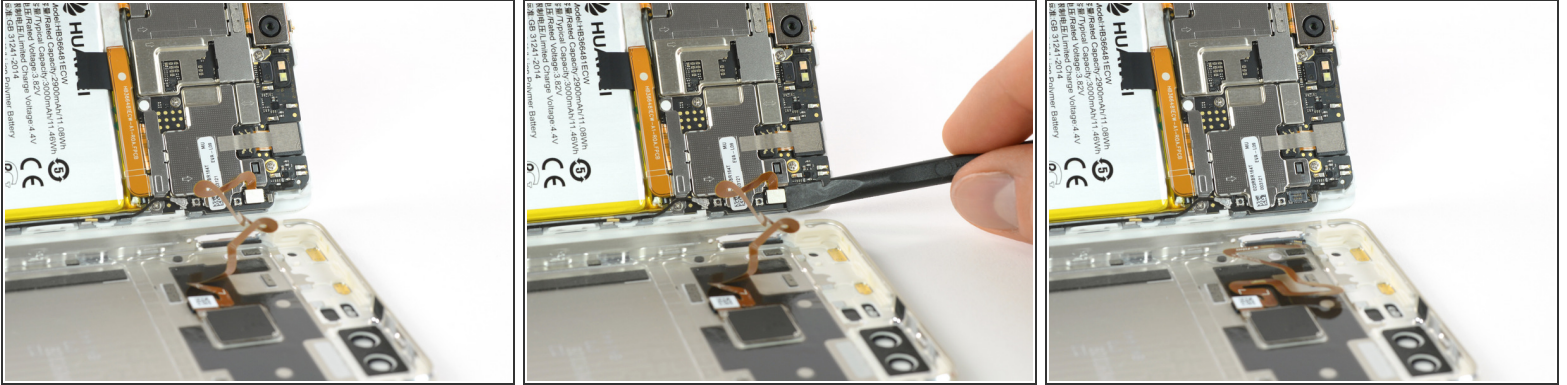
- First switch off your phone and remove the SIM card tray.
- Unscrew the two Pentolobe P2 screws located at the bottom next to the device's USB C port.
- ⓘ If the screen is cracked you might want to use some tape to protect your eyes from glass shreds and get a better grip to open the phone.

## Step 2



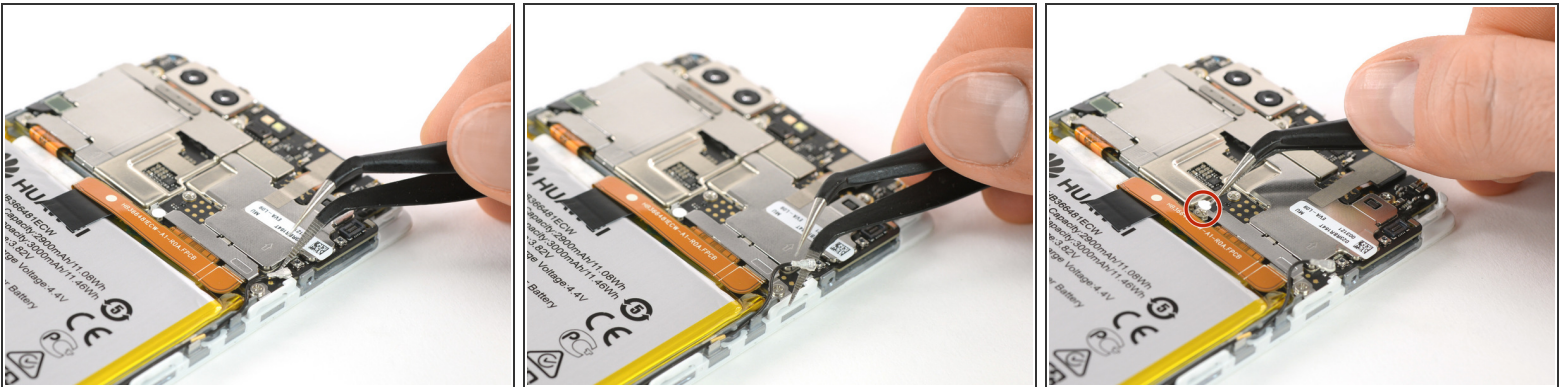
- Use an iSclack or a suction handle to separate the display unit from the rear panel.
- ⚠ Don't remove the rear panel completely yet. There is a cable connected to it! It is running from the finger print sensor to the display unit.

### Step 3 — finger print sensor



- Disconnect the finger print sensor using a spudger.

### Step 4 — Battery



- Unplug the antenna cable.
- Remove the liquid contact indicator that sits on top of the screw.

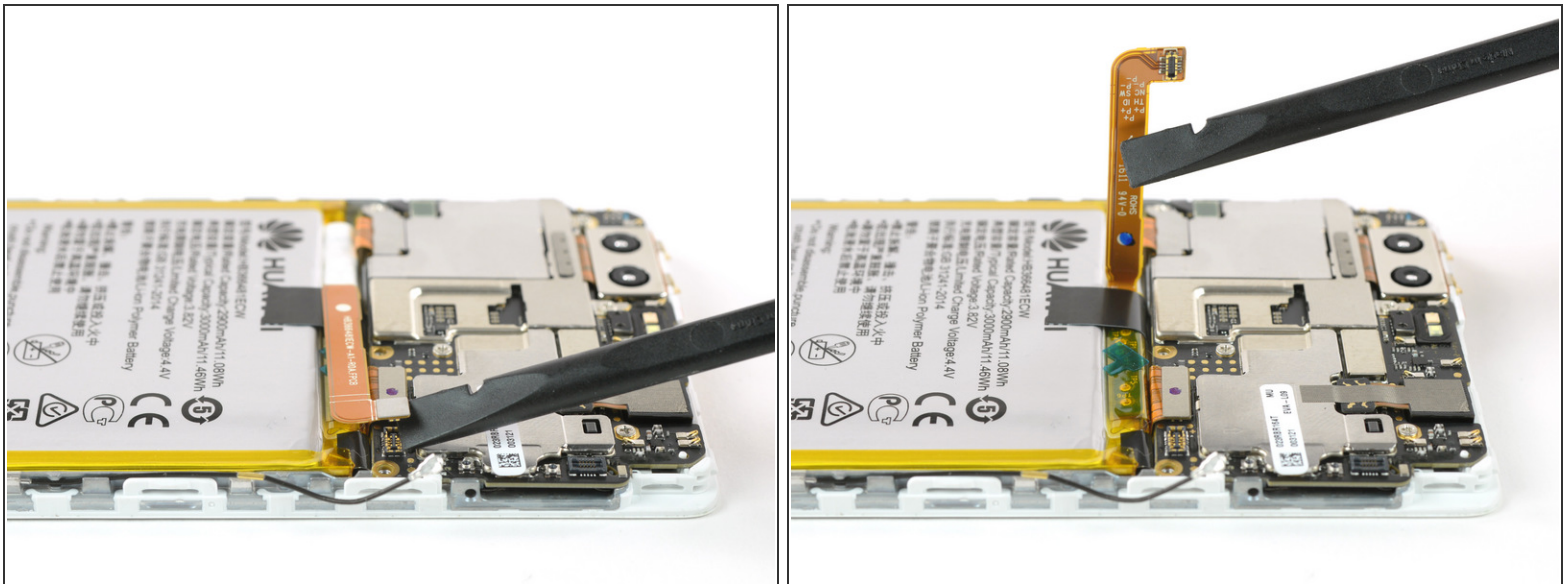


## Step 5



- Unscrew the two Phillips #000 screws that hold the metal plate in place.
- The plate, which is covering the battery connector, has two little hooks on each side. Use a tweezer to free them and unhinge the plate by carefully moving it upwards.

## Step 6



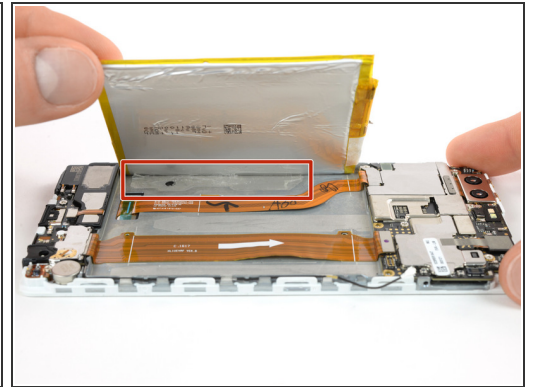
- Now you can unplug the battery connector and bend it aside.

## Step 7



- Free the ends of the adhesive pull tabs to get a good grip on them.

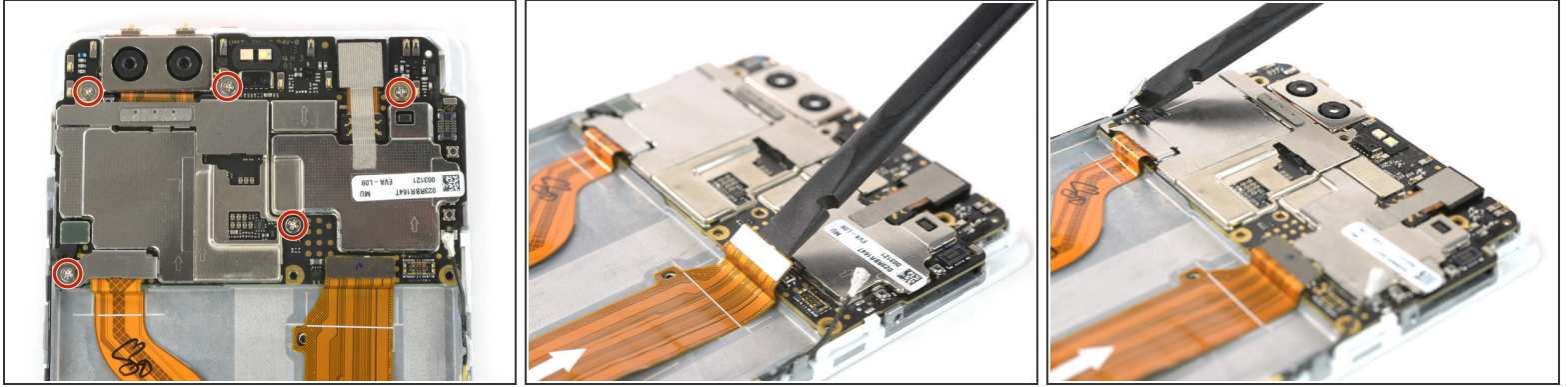
## Step 8



- Pull the adhesive tabs in a slow constant movement to free the battery.
- ⓘ Should those adhesive tabs snap, you might want to use an iOpener to heat and soften them a little bit so you can pry out the battery with a spudger.
- ⚠ There are two cables running directly underneath the battery. Take care not to damage them when prying with a spudger! You can see their position in the last picture.
- Slowly lift the battery and free it from the remaining hidden piece of adhesive. Done!

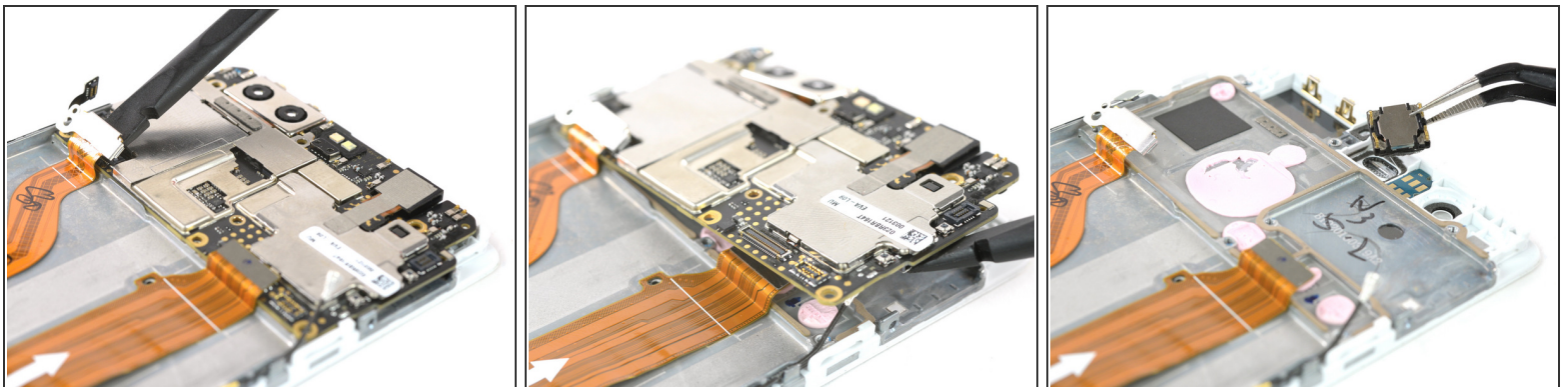


## Step 9 — Display



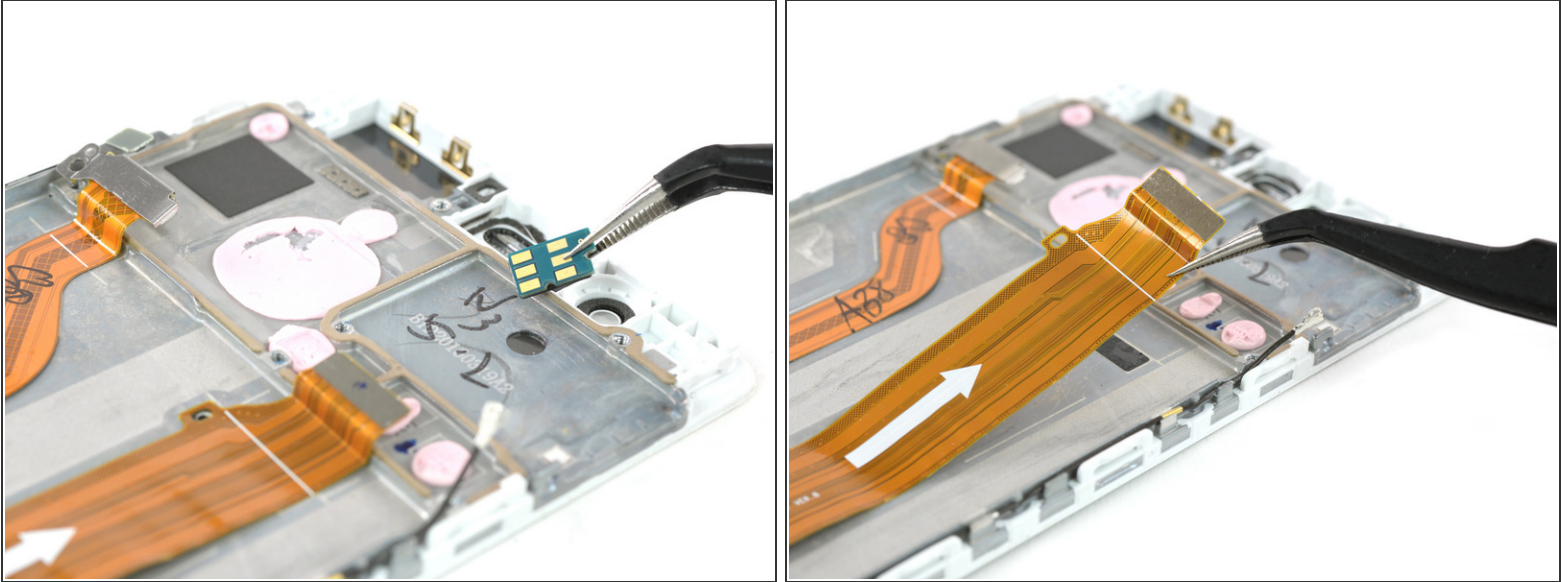
- Remove the other 5 Phillips #000 screws from the motherboard.
- Disconnect the motherboard flex cable as well as the power and volume button cable.

## Step 10



- Unplug the LCD screen flex cable.
- Now you can remove the complete motherboard easily.
  - ⓘ Conveniently both, the front and rear camera, are removed with the motherboard.
- Remove the earpiece speaker (mind adhesive underneath).

## Step 11



- Remove the proximity sensor module from its bracket.
  - ❗ If the new display unit does not have the rubber gasket of the proximity sensor already installed you have to transfer it from the old one.
- Carefully peel off the motherboard flex cable.

## Step 12



- Remove the three Phillips #000 screws at the bottom.
- Remove the metal bracket.
- Unplug the motherboard flex connector and put the cable aside.

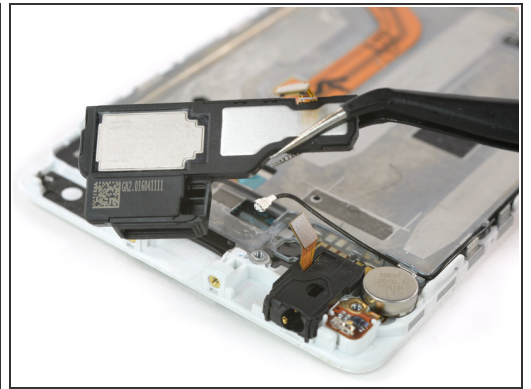
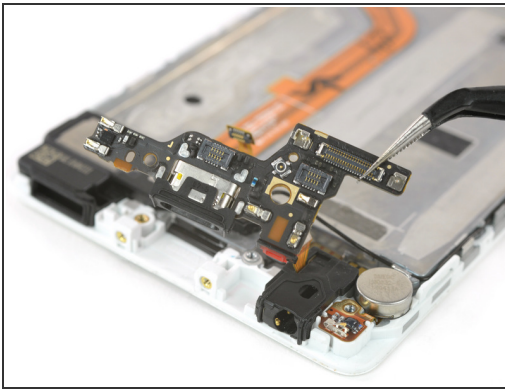


## Step 13



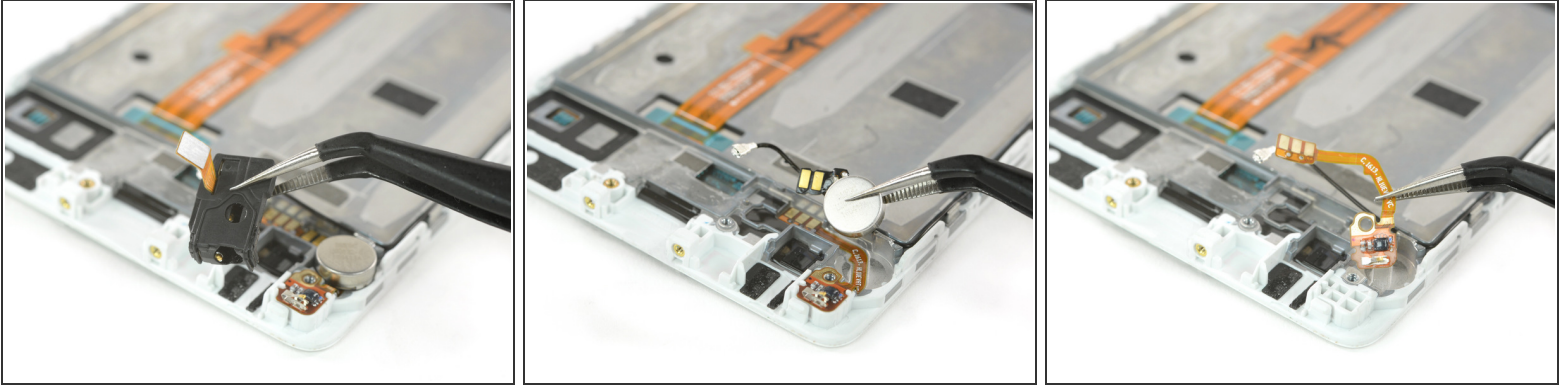
- Disconnect the headphone jack flex connector.
- Unplug the antenna cable.

## Step 14



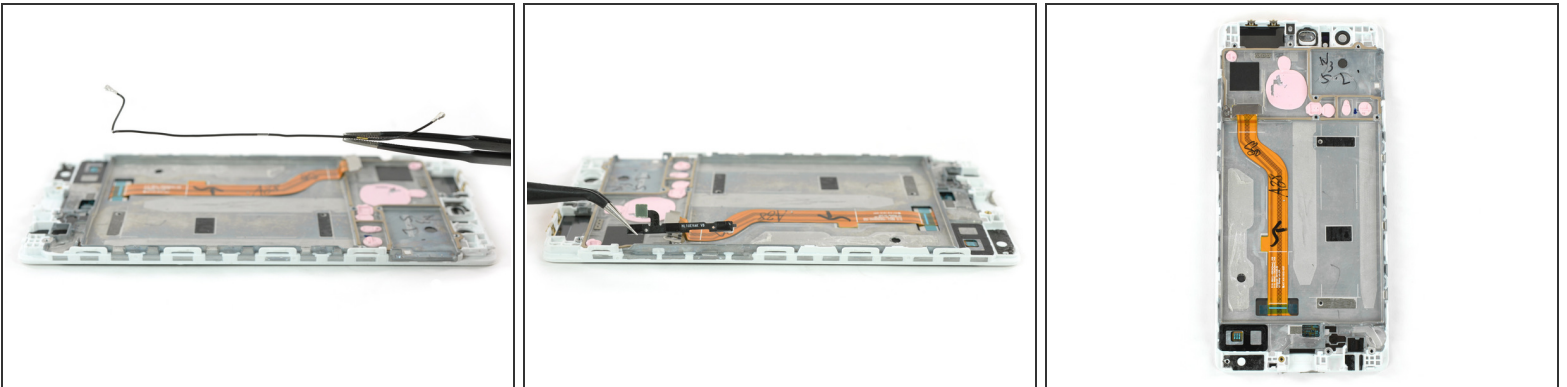
- Unplug the connector of the loudspeaker.
- Now remove the charging board first and then the loudspeaker (there is a bit of adhesive underneath the loudspeaker so be careful while doing so).

## Step 15



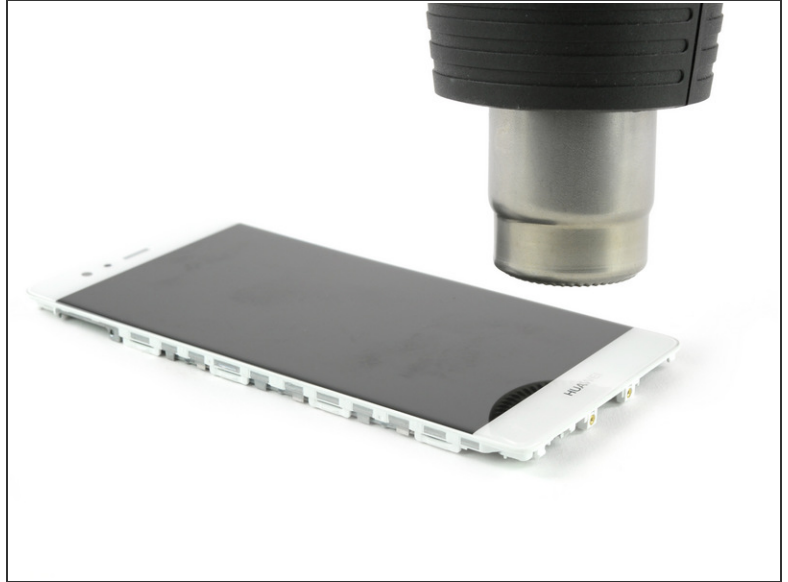
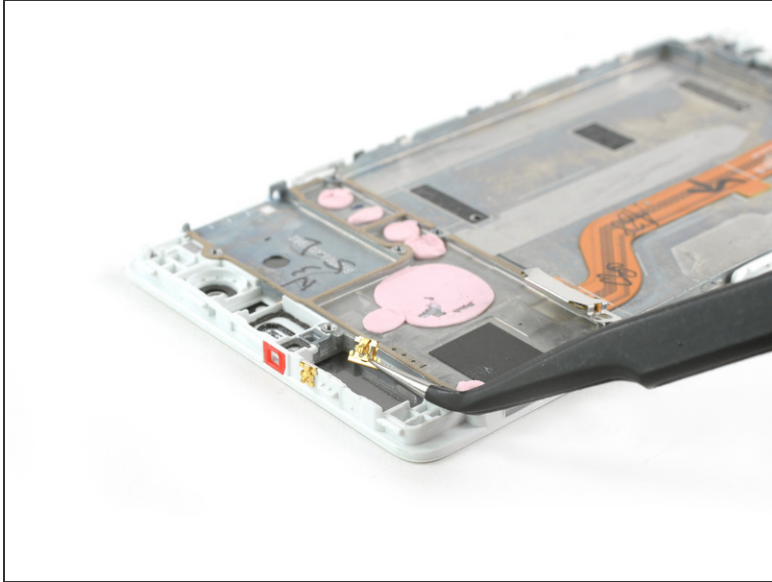
- Remove the headphone jack out of its recess.
- Then the vibration motor and the antenna flex!
- ⓘ Both the vibration motor and the antenna flex are kind of sticky with all the adhesive underneath. Be careful.

## Step 16



- Remove the antenna cable and the power and volume bottom cable on either side.
- ⓘ If your new display unit comes with the frame already attached inspect the new part carefully and compare it to the old one. There might be some small parts that have to be transferred.
- ⓘ If the display unit comes without the frame follow the next steps to separate those two parts.

## Step 17



- Start by taking off the two metal springs from the dual camera bay at the top of the phone.
- Then heat the top part of the glass with a heat gun.
- ⓘ The glue used for the display is tough and needs patience and gentle steady force.

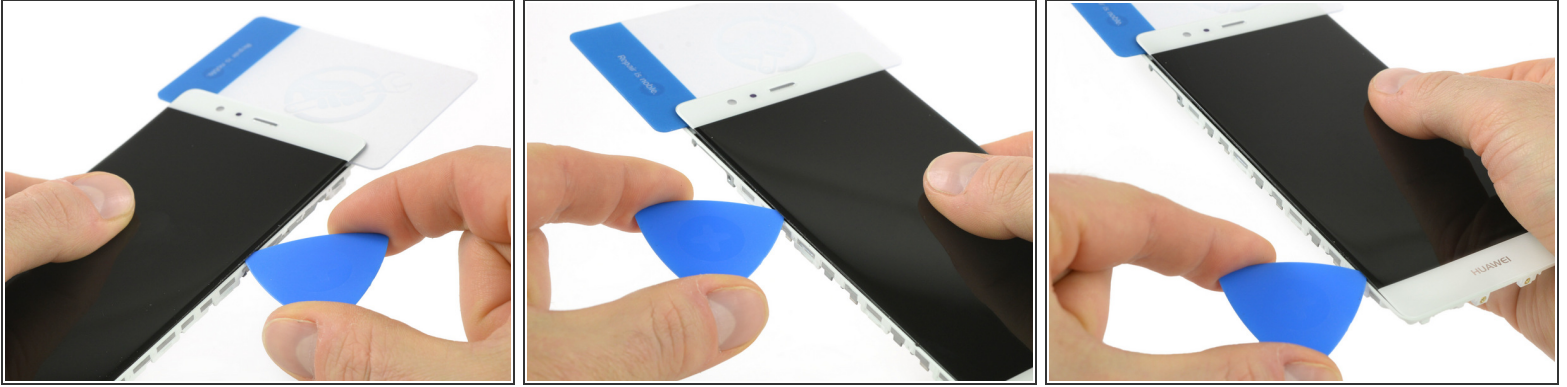
## Step 18



- When the glue is softened you can get behind the display through the camera bay and get between the frame and the display unit.
- Grab a plastic card and put it in the gap on the complete top part to where the LCD begins.
- Leave the card so the glue can't adhere to the glass again.

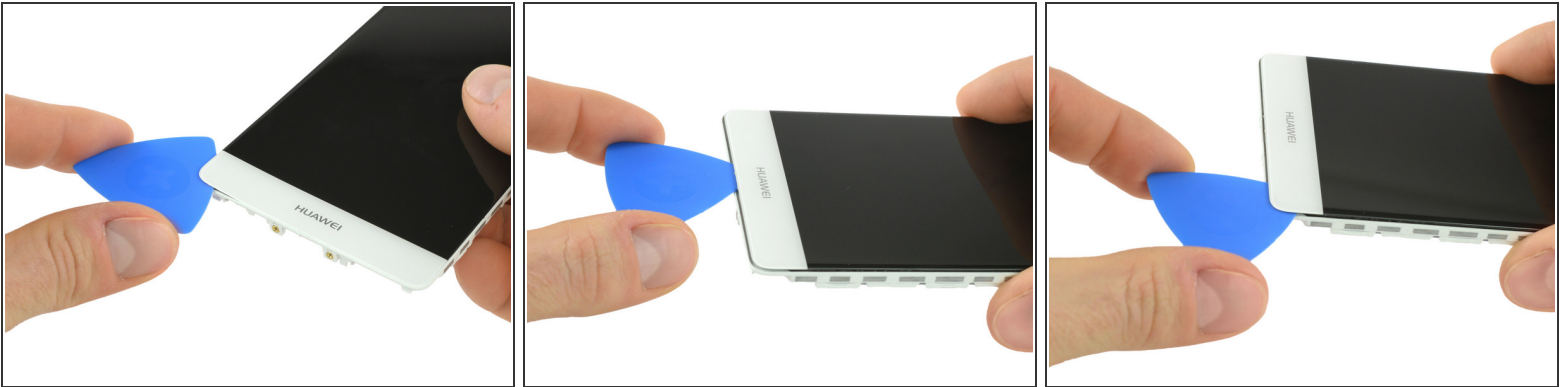


## Step 19



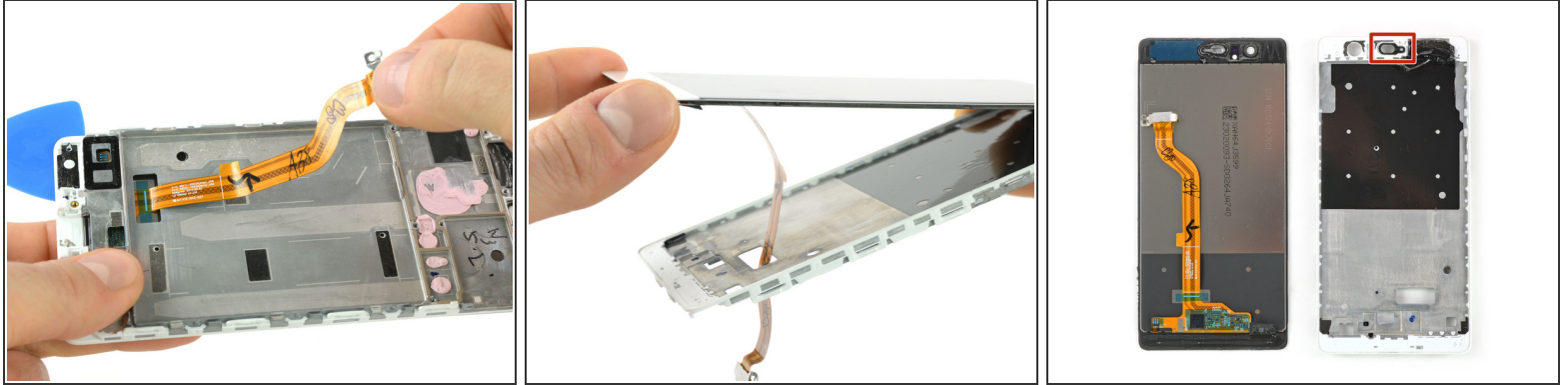
- Insert an opening pick approximately 1/16 of an inch and slide it along the side to separate the display from the frame.
- You might feel more resistance where the LCD ends on the lower end.
- Stop here and take your time to reheat that part and soften the glue.

## Step 20



- When the glue is soft enough carefully move the pick around the bottom corner.
- You can now work your way along the bottom edge.
- Leave the opening pick on one side and flip the display over.

## Step 21



- On the back side detach the display flex cable from the frame.
- Now you can lift the display assembly away from the frame.
- Check for any small parts like the rubber gasket at the top behind the speaker grill.

To reassemble your device, follow these instructions in reverse order.

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